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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/690,455	10/18/2000	Keiichiro Yoshihara	C14-127596M/YAH	3808	
21254	7590 11/17/2003		EXAMINER		
MCGINN & GIBB, PLLC			SHAPIRO, LEONID		
SUITE 200	URTHOUSE ROAD		ART UNIT	PAPER NUMBER	
VIENNA, VA	22182-3817		2673	18	
			DATE MAILED: 11/17/2003	V 0	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	ition No.	Applicant(s)			
Office Action Summary		09/690,	09/690,455 YOSHIHARA ET AL.		\L .		
		Examin	er	Art Unit			
		Leonid	•	2673			
Period f	The MAILING DATE of this communor Reply	nication appears on t	he cover sheet with	the correspondence ad	dress		
THE - Extended after - If th - If No - Fail - Any	HORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN ensions of time may be available under the provision: r SIX (6) MONTHS from the mailing date of this com- e period for reply specified above is less than thirty (0 operiod for reply is specified above, the maximum sure to reply within the set or extended period for reply reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	IICATION. IS of 37 CFR 1.136(a). In no imunication. ISO) days, a reply within the statutory period will apply and by will, by statute, cause the a	event, however, may a repl tatutory minimum of thirty (will expire SIX (6) MONTH pplication to become ABAN	ly be timely filed 30) days will be considered timely IS from the mailing date of this condoned (35 U.S.C. § 133).			
1)[\]	Responsive to communication(s) fil	ed on <u>20 October 20</u>	<u>)03</u> .				
2a) <u></u> ☐	This action is FINAL .	2b)⊠ This action is	non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	tion of Claims						
4)🖾	Claim(s) <u>3-5,11-14 and 16-21</u> is/are	e pending in the appl	lication.				
,	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠							
6)⊠							
7)🖂	Claim(s) 13 and 14 is/are objected	to.					
8)□	Claim(s) are subject to restri	iction and/or election	requirement.				
Applicat	tion Papers						
9)[The specification is objected to by the	he Examiner.					
10)	The drawing(s) filed on is/are	e: a) accepted or	b) objected to by	the Examiner.			
	Applicant may not request that any obje	ection to the drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including	g the correction is requ	uired if the drawing(s) is objected to. See 37 CF	FR 1.121(d).		
11)	The oath or declaration is objected t	to by the Examiner. I	Note the attached (Office Action or form PT	O-152.		
Priority	under 35 U.S.C. §§ 119 and 120						
a	Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation	y documents have be y documents have be s of the priority docur onal Bureau (PCT R	een received. een received in App ments have been re ule 17.2(a)).	plication No eceived in this National	Stage		
13)□ . \$;	See the attached detailed Office action Acknowledgment is made of a claim since a specific reference was include BY CFR 1.78.	for domestic priority ed in the first senten	under 35 U.S.C. § ce of the specificat	119(e) (to a provisional ion or in an Application			
	a) The translation of the foreign la		• •				
	Acknowledgment is made of a claim reference was included in the first ser						
Attachme	nt(s)						
1) 🔲 Noti 2) 🔲 Noti	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (I			mmary (PTO-413) Paper No(s ormal Patent Application (PTC			
3) 🔲 Info	rmation Disclosure Statement(s) (PTO-1449) F	Paper No(s)	6) Other:	•			

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1. In view of the new prior art, the finality of previous Office Action is withdrawn.

Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 3-4, 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Satoru et al. (JP No. 07-160203) in view of Shigemura (US Patent No. 5,075,686).

As to claim 3, Satoru et al. teaches a vehicle-mounted apparatus, comprising a first panel including a first display, first panel being mountable onto a surface of a vehicle (See Figs 4,6,910,12, items 41,60a,60b,85-87 in Detailed Description See pages 4-7, paragraph 0023, 0027, 0030); and a second panel including a second display, comprising adapting second panel to be opened and closed with respect to first display about a side thereof as an axis (See Figs 4,6,910,12, items 51,60a,60b,85-87 in Detailed Description See pages 4-7, paragraph 0023, 0027, 0030).

Satoru et al. does not teach operating switch changing a function indication according to at least one of whether second panel is open/closed.

Shigemura teaches group of switches and the input functions may changed over by opening or closing the cover (See Fig. 3, items 52-53, in description See Col. 1, Lines 35-40 and Col. 3, Lines 24-49).

It would have been obvious to one of ordinary skill in the art in the time of invention to use the change indications of input functions as shown by Shigemura in the Satoru et al. apparatus in order to effect change-over of the indications by moving indication member (See Col. 1, Lines 63-66 in the Shigemura reference).

As to claim 4, Satoru et al. teaches a vehicle-mounted apparatus, comprising a first panel including a first display, first panel being mountable onto a surface of a vehicle (See Figs 4,6,910,12, items 41,60a,60b,85-87 in Detailed Description See pages 4-7, paragraph 0023, 0027, 0030); and a second panel including a second display, comprising adapting second panel to be opened and closed with respect to first display about a side thereof as an axis, wherein second panel is relatable upside down (See Figs 4,6,910,12, items 51,60a,60b,85-87 in Detailed Description See pages 4-7, paragraph 0023, 0027, 0030).

Satoru et al. does not teach operating switch changing a function indication according to at least one of whether second panel is rotated upside down.

Shigemura teaches group of switches and the input functions may changed over by opening or closing the cover (See Fig. 3, items 52-53, in description See Col. 1, Lines 35-40 and Col. 3, Lines 24-49).

It would have been obvious to one of ordinary skill in the art in the time of invention to use the change indications of input functions as shown by Shigemura in the Satoru et al. apparatus to changing a function indication according to at least one of whether second panel is rotated upside down in order to effect change-over of the indications by moving indication member (See Col. 1, Lines 63-66 in the Shigemura reference).

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As to claim 11, Satoru et al. teaches a vehicle-mounted apparatus, comprising a first panel including a first display, first panel being mountable onto a surface of a vehicle (See Figs 4,6,910,12, items 41,60a,60b,85-87 in Detailed Description See pages 4-7, paragraph 0023, 0027, 0030); and a second panel including a second display, comprising adapting second panel to be opened and closed with respect to first display about a side thereof as an axis, wherein second panel is relatable upside down (See Figs 4,6,910,12, items 51,60a,60b,85-87 in Detailed Description See pages 4-7, paragraph 0023, 0027, 0030).

Satoru et al. does not teach operating switch changing a function indication according to at least one of whether second panel is rotated upside down.

Shigemura teaches group of switches and the input functions may changed over by opening or closing the cover (See Fig. 3, items 52-53, in description See Col. 1, Lines 35-40 and Col. 3, Lines 24-49).

It would have been obvious to one of ordinary skill in the art in the time of invention to use the change indications of input functions as shown by Shigemura in the Satoru et al. apparatus to changing a function indication according to at least one of whether second panel is rotated upside down in order to effect change-over of the indications by moving indication member (See Col. 1, Lines 63-66 in the Shigemura reference).

As to claim 12, Satoru et al. does not teach means for rotaiting upside down at least one of operating switch and function indication on operating switch when the second panel is rotated upside down.

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Shigemura teaches group of switches and the input functions may changed over by opening or closing the cover (See Fig. 3, items 52-53, in description See Col. 1, Lines 35-40 and Col. 3, Lines 24-49).

It would have been obvious to one of ordinary skill in the art in the time of invention to use the change indications of input functions as shown by Shigemura in the Satoru et al. apparatus to changing a function indication according to at least one of whether second panel is rotated upside down in order to effect change-over of the indications by moving indication member (See Col. 1, Lines 63-66 in the Shigemura reference).

3. Claims 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Satoru et al. and Shigemura as applied to claims above, and further in view of Chan et al. (US Patent No. 6,339,696 B1).

Satoru et al. and Shigemura do not show means for displaying a current audio source on at least one of first and second displays.

Chan et al. teaches audio/video source within the vehicle provides video programming to the display device corresponding to the audio signal (See Figs. 1, 8, items 12, 16, 206, in description See Col. 4, Lines 32-35 and Col. 9, lines 15-22).

It would have been obvious to one of ordinary skill in the art in the time of invention to display current a video/audio source as shown by Chan et al. in the Satoru et al. and Shigemura apparatus in order to satisfy the need for in-vehicle audio/video system (See Col. 1, Lines 34-35 in Chan et al. reference).

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4. Claims 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Satoru et al. and Shigemura as applied to claims above, and further in view of et al. (US Patent No. 6,144,358).

Satoru et al. and Shigemura do not show means detecting a position of second panel by a predetermined angle in terms of at least one of the open/close action and rotation and means for switching an input source upon detecting.

Narayanaswamy et al. teaches means detecting a position of second panel by a predetermined angle in terms of at least one of the open/close action and rotation (See Fig. 1A and 1B, items 102, 104, 106, in description See Col. 2, Lines 16-43) and means for switching an input source upon detecting (See Fig. 2, items 202,204, in description See Col. 3, Lines 34-50).

It would have been obvious to one of ordinary skill in the art in the time of invention to detect a position of second panel by a predetermined angle in terms of at least one of the open/close action and rotation and means for switching an input source upon detecting as shown by Narayanaswamy et al. in the Satoru et al. and Shigemura apparatus in order to present more usable information to the user (See Col. 1, Lines 40-43 in Narayanaswamy et al. reference).

Allowable Subject Matter

- 5. Claim 5, 18, 21 are allowed.
- 6. Claims 13-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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7. Relative to independent claim 5 and claims 13-14 the major difference between the teaching of the prior art of record (JP No. 07-160203, Satoru et al.) and US Patent No. 5,075,686, Shigemura) and the instant invention is that the said prior art **does not** teach specific structures (gearing) in conjunction with multi-display with changeable function switches.

Claims 18 and 21 depend on claim 5.

Response to Amendment

8. Applicant's arguments filed on 10-20-03 with respect to claims 3-5, 11-14, 16-21 have been considered but are most in view of the new ground(s) of rejection.

Telephone inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonid Shapiro whose telephone number is 703-305-5661. The examiner can normally be reached on 8 a.m. to 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750.

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That

VIJAY SHANKAR PRIMARY EXAMINER